

IN THE

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS WASHINGTON, D.C. 20231

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**REVOCATION AND POWER OF ATTORNEY** 

Technology Center 2600

SIR:

The undersigned officer of Polycom, Inc., Assignee of record of the entire right, title and interest in and to the patents and patent applications listed in Schedule A, hereby revokes all prior powers of attorney previously appointed in the patents and patent applications listed in Schedule A, and hereby appoints the agents and/or attorneys associated with the customer number 22830 to prosecute these applications and to transact all business in the U.S. Patent and Trademark Office connected therewith.

Please direct all communication relative to said patents and applications to the following correspondence address:

Susan Yee

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Date: 1 November 2002

Jeffrey Rodman

Chief Technology Officer

Polycom, Inc.

1565 Barber Lane

Milpitas, CA 95035



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## STATEMENT UNDER 37 CFR 3.73(b)

Polycom, Inc., a Delaware Corporation and owner of PictureTel Corporation, states that it is the assignee of the entire right, title, and interest in the patents and patent applications identified in Schedule A by virtue of a chain of title from the inventors of each patent and patent application identified in Schedule A to the current assignee via the attached copy of the notice of assignment located at reel 012896 and frame 0291. All frame and reel numbers where these original assignments were recorded have been included along with the inventor and original assignee information.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Date: /Nov 2002

Jeffrey Rodman

Chief Technology Officer

Polycom, Inc.

1565 Barber Lane Milpitas, CA 95035



Please type a plus sign (+) inside this box +

PTO/SB/21 (08-00) Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.				
			Application Numb	per 09/852,977
TRANSMITTAL			Filing Date	May 10, 2001
	<b>FORM</b>		First Named Inve	Qunshan Gu 2611  Unknown  Qunshan Gu RECEIVED  ACCORD
(to be used for a	all correspondence afte	er initial filing)	Group Art Unit	2611 AEG 7 2002
			Examiner Name	Unknown DEC 2 Least 2600 Unknown PA2148US Technology Center 2600
Total Number of Pages in This Submission 11 Attorney Docket Number PA2148US <b>Technology</b> C				
		ENCL	OSURES (c	heck all that apply)
Fee Attached Drawing			Application) g(s) ng-related Papers	After Allowance Communication to Group  Appeal Communication to Board of Appeals and Interferences  Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  Proprietary Information
Affidavits/declaration(s)		111	to Convert to a	
Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority Document(s)  Response to Missing Parts/		Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Remarks Total page number does not include		identify below):  (1) Postcard; (2) Revocation and Power of Attorney; (3) Statement Under 37 CFR 3.73(b); (4) Copy of Notice of Recordation of Assignment; (5) Copy of Schedule A
Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53			uniber does not in	cidde postcard.
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT				
Firm or Individual name  Carr & Ferrell LLP Cust. No. 22830				
Signature Reg. No. 41,388				
December 16, 2002				
CERTIFICATE OF MAILING				
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:    December 16, 2002				
Typed or printed name Susan Yee, Reg. No. 41,388				
				Date December 16, 2002

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e: May 15, 2002
Recordation date
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y Polycom
patent applications now owned by
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Patents an

Detect No Coriel No	Title	Assignment	Reel	Frame
	All Patents and Applications listed below	PictureTel Corp. to Polycom, Inc.	96	0291
			T	
Patent No. Serial No.	Title	Assignment	Reel	Frame
_	Modular Video Conferencing System	Clapp, Craig S.K. & Brown, Gary Arthur to Picturetel Corp.	11950 0615	315
09/852.977	Video Coding Using Multiple Buffers	Gu, Qunshan to Picturetel Corp.	12035 0257	257
09/846,508	Filtering Artifacts From Multi-Threading	Gu, Qunshan to Picturetel Corp.	1232 0926	956
000 000 000	Exerce Correction And Concealment During Data Transmission	Zhu Qin-Ean to Picturetel Corp	9941 0821	821
0,337,028 09/2/2,792		Malkin, Kenneth W. & Baxter, Larry K. to Picturetel Corp.	9413 0122	122
140,041,180	Flectronic Pan Tilt Zoom Video Camera With Adaptive Edge	Malkin, Kenneth W.: Baxter, Larry K.; Taetzsch, Steven C.; Phelps,		
09/141,057	Sharpening Filter	Daniel R. to Picturetel Corp.	9422 0194	194
09/389 170	Error Recovery Method For Video Compression Coding Using Multiple Reference Buffers And A Message Channel	Gu, Qunshan & Root, Timothy to Picturetel Corp.	10220 0027	027
09/645 369		Gerlovin, Mark W. & Chu, Peter L. to Picturetel Corp.	11440 0476	476
00/628 514	Multimodia Attachment Huh For A Video Conferencing System	Bernstein, Jeffrey G.; Clapp, Craig S.K.; Howell, Brian A. & Napoleone. Nunzio to Picturetel Corp.	11395 0693	693
09/495 134	Automated Call Launching	Balakrishnan, Pradeep to Picturetel Corp.	10582 0303	303
09/079 840	Locating An Audio Source	Potts, Wang & Raabiner, Chu to Picturetel Corp.	9336 0275	275
08/964 324	Interrated Portable Videoconferencing	Forsberg, Jr. Roy W; Rock, Alam M; Hilssen, Dennis S.; Duckworth, Mark R. to PictureTel Corp	8809 0754	754
10,100		Bernstein, Jeffrey G.; Sullivan, Gary J.: Comstock, Elizabeth M.;		
	Manager And Angel Manager Manager Angel An	Kruger, William L.; Howell, Brian A.; Botzko, Stephen C.; Seller, Robert V. to Picturatel Com.	11206 0076	920
5 550 024 08/402 550	Reduction of Background Noise for Speech Enhancement	Helf, Brant M. & Chu, Peter L. to Picturetel	7451 0623	623
5.374.971 08/030.845	Two-View Video Camera Stand and Support Method	Clapp, Craig S. K. & Duys, Anthony M. to Picturetel	6463 0681	681
4.816.914 07/001.326	Method and Apparatus for Efficiently Encoding and Decoding Image Sequences	S. Staffan Ericsson to Pictel	4693	0637
4 849 810 07/057 964	A Hierarchical Encoding Method and Apparatus for Efficiently Communicating Image Sequences	S. Staffan Ericsson to Picturetel	4760 0020	020
123 35150 331 105 1	Method and Apparatus Employing Adaptive Filtering For Efficiently	Fricsson, S. Staffan to Picturetel	4696	807
5.150.209 07/698.396	Hierarchical Entropy Coded Lattice Threshold Quantization	Girod, Bernd to 501 Picturetel Corp	5531 0153	153
5,317,672 07/847,710	Variable Bit Rate Speech Encoder	Crossman, Antony H. & Thompson, Edmund S. to Picturetel	6131	928
5 155 594 07/697 973	Hierachical Encoding Method And Apparatus Employing Background References for Efficiently Communicating Image Sequences	Bernstein, Jeffrey; Girod, Bernd; Yuan, Xiancheng to 501 Picturetel Corp	5407 0969	969
5,263,019 07/837,729	Method And Apparatus For Estimating The Level Of Acoustic Feedback between a Loudspeaker and Microphone	Peter L. to Picturetel Corp.	6020 0053	0053
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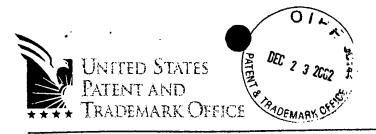
6823 714-716 Frame 0196 0010 7233 0356 8300 0915 8605 0053 7442 0940 8082 0465 4414 0142 4416 0296 8035 0837 6153 0109 6161 0199 6823 0714 7292 0812 4414 0143 4387 0295 0737 **2990** 5616 0040 6150 0578 4415 0982 7382 044 7284 ( 7443 7522 7583 Reel Napoleone, Nunzio; Coleman, Stephen A.; DeSimone, Kendra J. to Malvar, Henrique S.; Sullivan, Gary J.; & Wornell, Gregory W. to Woodman, Edward C.; Potts, Steven L; Reed, Adam; Siggelkoe, Baxter, Larry K.; Phelps, Daniel R.; Duys, Anthony M.; Labuski, Manganese, Michael A.& Wolf, Maximilian to Picturetel Corp Bernstein, Jeffrey G. & Beck, Benjamin J. to Picturetel Corp. Beck, Benjamin J. & Duys, Anthony M. to Picturetel Corp. Yuan, Xiancheng & Bace, Matthew M. to Picturetel Corp. Hinman, Brian L. & Kane, Michael D. to 501 Pictel Corp Baxter, Larry K. & Coffey, John J. to Picturetel Corp Chu, Peter Lee & Barton, William F. to Picturetel Sievers, John C. & Bruder, John E. to Picturetel Hinman, Brian L. to 501 Pitel Corp(spelling error) Chu, Peter Lee & Barton, William F. to Picturetel Bernstein, Jeffrey G. to 501 Pictel Corp Malvar, Henrique S. to 501 Pictel Corp Hinman, Brian L. to 501 Pictel Corp Chu, Peter L. to Picturetel Corp. Yuan, Xiancheng to Picturetel Howell, Brian A. to Picturetel Bruder, John E. to Picturetel Bruder, John E. to Picturetel Chu, Peter L. to Picturetel Frank to Picturetel Corp. Russell; Wang, Hong Picturetel Corp. Picturetel corp Assignment Microphone Arrays With Reduced Analog-to-Digital Converter And Method And Apparatus For Visual Communications In A Scalable Adaptive Acoustic Echo Canceller Having Means for Reducing or Method And Apparatus For Steerable And Endfire Superdirective Method And Apparatus For Processing Block Coded Image Data Method And System For Adapting A Digitized Signal Processing Method And Apparatus For Multi-Dimentional Signal Processing Method And Apparatus For Providing Motion Estimation Signals To Reduce Boundary Artifacts Between Adjacent Image Blocks System For Block Processing With Minimal Blocking Artifacts Method And Apparatus For Efficiently Communicating Image Method And Apparatus For Efficiently Communicating Image Electronically Controlled Camera Positioning System Eliminating Echo in a Plurality of Signed Bandwidths Sequences Having Improved Motion Compensation Method And Apparatus For Efficiently Transmitting Microphone System For Teleconferencing System Microphone System For Teleconferencing System Electronic Cable Interface For Electronic Camera Forecedupdates In A Moving Picture Code Quantizer Control Method And Apjparatus Lapped Orthogonal Vector Quantization Using A Short-Space Fourier Transform For Communicating Image Sequences Integral Videoconferencing System Computational Requirements Remotely Controlled Camera Spatially Adaptive Blur Filter Video Conferencing System Video Conferecing Keypad Directional Mircrophone Network Environment Speaker Enclosure Sequences Title 29/060,863 5,633,681 08/398,546 5,486,853 08/355,036 29/064,655 29/034,158 5,805,739 08/631,644 4,703,349 06/713,478 4,754,492 06/740,806 5,821,986 08/333,755 5,715,319 08/657,696 5,787,183 08/761,349 5,742,346 08/287,686 07/865,319 5,664,021 08/132,032 5,767,897 08/332,097 4,703,350 06/740,898 4,661,849 06/740,900 29/040,801 5,305,307 07/659,579 29/037,497 5,367,385 07/866,031 4,727,422|06/740,897 Patent No. Serial No. 5,283,646 07/866027 5,644,660 D372,918 D389,839 D394,255 D368,478 D374,023

Patents and patent applications now owned by Polycom, Inc. through recorded merger. Recordation date: May 15, 2002

# Schedule A

Patents and patent applications now owned by Polycom, Inc. through recorded merger. Recordation date: May 15, 2002

				I	
Patent No   Serial No.	Serial No.	Title	Assignment	Reel Frame	ê
		Pseudo-Random Number Generator Capable of Efficiently Exploiting Processors Having Instrucion-Level Parallelism And The			
5.983.252	5.983.252 09/007.944	Use Thereof For Encryption	Clapp, Craig S. K. to Picturetel Corp	9252 0147	_
6 141 597		Audio Processor	Botzko, Stephen C. & Franklin, David M. to Picturetel Corp	8992 0212	2
5,983,192		Audio Processor	Botzko, Stephen C. & Franklin, David M. to Picturetel Corp	8992 0212	2
		W-Bit Non-Linear Combiner for Pseudo-Randon Number			0
5,943,248	5,943,248 08/914,668	Generation	Clapp, Craig S.K. to Picturetel Corp	9022 0018	اء
5,987,131	5,987,131 08/914,384	Cryptogrphic Key Exchange Using Pre-Computaiton	Clapp, Craig S.K. to Picturetel Corp	9909 0004	4
		Low Delay Real Time Digital Video Mixing For Multipoint Video			
6.285.661	6.285.661 09/014.942	Conferencing	Zhu, Qin-Fan & Kerofsky, Louis J. to Picturetel Corp	9004 0469	2
			Beck, Benjamin J.; Duys, Anthony M.; Labuski, Frank to Picturetel		-
D446 531	29/099 157	Video Camera	Corp.	10000 0103	2
6 240 140		Channel Aggregation Having Low Latency And Overhead	Lindbergh, David J. & Bernstein, Jeffrey G. to Picturetel Corp.	9355 0803	ဗ္ဗ
0,510,110					
5,001,560	5,001,560,07/289,375		Ericsson, S. Staffan to Picturetel	4696 0807	5
		Variable length coding using a plurality of region bit allocation			
5,924,064	5,924,064 08/726,959	patterns	Helf, Brant M. Picturetel Corp.	8281 0146	<b>Q</b>
5,664,057	5,664,057 08/416,525	Fixed Bit Rate Speech Encoder/Decoder	no assignment in file 416525, 08/088309 not on list, not in box		
5.778.082		Method And Apparatus For Localization Of An Acoustic Source	no US docket SDAC-P-050 box 13(only PCT)		



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JULY 18, 2002

Technology Center 2600 PTAS

Chief Information Officer Washington, DC 20231 www.uspto.gov

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/15/2002

REEL/FRAME: 012896/0291 NUMBER OF PAGES: 104

BRIEF: MERGER (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PICTURETEL CORPORATION

DOC DATE: 05/24/2001

ASSIGNEE:

POLYCOM, INC. 1565 BARBER LANE MILPITAS, CALIFORNIA 95035

SERIAL NUMBER: 08088052

PATENT NUMBER:

SERIAL NUMBER: 09834325

PATENT NUMBER:

SERIAL NUMBER: 09852977

PATENT NUMBER:

SERIAL NUMBER: 09846508

PATENT NUMBER:

FILING DATE: 07/07/1993

I<del>SSUE D</del>ATE:

FILING DATE: 04/13/2001

ISSUE DATE:

FILING DATE: 05/10/2001

ISSUE DATE:

FILING DATE: 05/01/2001

ISSUE DATE:

PATENT NUMBER: 5317672

SERIAL NUMBER: 09272792 FILING DATE: 03/19/1999 ISSUE DATE: 03/12/2002 PATENT NUMBER: 6357028 SERIAL NUMBER: 09140941 FILING DATE: 08/27/1998 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09141057 FILING DATE: 08/27/1998 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: -09238026 FILING DATE: 01/26/1999 ISSUE DATE: PATENT NUMBER: SERIAL NUMBER: 09389170 FILING DATE: 09/02/1999 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09645369 FILING DATE: 08/24/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09628514 FILING DATE: 07/31/2000 PATENT NUMBER: ISSUE DATE: .SERIAL NUMBER: 09495134 FILING DATE: 01/31/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09079840 FILING DATE: 05/15/1998 PATENT NUMBER: ISSUE DATE: FILING DATE: 11/05/1997 SERIAL NUMBER: 08964324 ISSUE DATE: PATENT NUMBER: FILING DATE: 04/24/2000 SERIAL NUMBER: 09556359 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 08402550 FILING DATE: 03/13/1995 ISSUE DATE: 08/27/1996 PATENT NUMBER: 5550924 SERIAL NUMBER: 08030845 FILING DATE: 03/12/1993 ISSUE DATE: 12/20/1994 PATENT NUMBER: 5374971 SERIAL NUMBER: 07001326 FILING DATE: 01/07/1987 PATENT NUMBER: 4816914 ISSUE DATE: 03/28/1989 SERIAL NUMBER: 07057964 FILING DATE: 06/02/1987 PATENT NUMBER: 4849810 ISSUE DATE: 07/18/1989 FILING DATE: 03/21/1988 SERIAL NUMBER: 07175661 ISSUE DATE: 12/27/1988 PATENT NUMBER: 4794455 SERIAL NUMBER: 07698396 FILING DATE: 05/10/1991 PATENT NUMBER: 5150209 ISSUE DATE: 09/22/1992 SERIAL NUMBER: 07847710 FILING DATE: 03/04/1992

ISSUE DATE: 05/31/1994

FILING DATE: 05/10/1991 SERIAL NUMBER: 07697973 ISSUE DATE: 10/13/1992 PATENT NUMBER: 5155594 FILING DATE: 02/19/1992 SERIAL NUMBER: 07837729 ISSUE DATE: 11/16/1993 PATENT NUMBER: 5263019 FILING DATE: 02/21/1991 SERIAL NUMBER: 07659579 ISSUE DATE: 04/19/1994 PATENT NUMBER: 5305307 FILING DATE: 04/09/1992 SERIAL NUMBER: 07865319 TSSUE DATE: 07/01/1997 PATENT NUMBER: 5644660 FILING DATE: 04/09/1992 SERIAL NUMBER: 07866027 ISSUE DATE: 02/01/1994 PATENT NUMBER: 5283646 FILING DATE: 05/07/1992 SERIAL NUMBER: 07866031 ISSUE DATE: 11/22/1994 PATENT NUMBER: 5367385 FILING DATE: 10/05/1993 SERIAL NUMBER: 08132032 TSSUE DATE: 09/02/1997 PATENT NUMBER: 5664021 FILING DATE: 12/06/1996 SERIAL NUMBER: 08761349 ISSUE DATE: 07/28/1998 PATENT NUMBER: 5787183 FILING DATE: 08/09/1994 SERIAL NUMBER: 08287686 ISSUE DATE: 04/21/1998 PATENT NUMBER: 5742346 FILING DATE: 10/31/1994 SERIAL NUMBER: 08332097 ISSUE DATE: 06/16/1998 PATENT NUMBER: 5767897 FILING DATE: 06/03/1985 SERIAL NUMBER: 06740898 ISSUE DATE: 10/27/1987 PATENT NUMBER: 4703350 FILING DATE: 06/03/1985 SERIAL NUMBER: 06740897 ISSUE DATE: 02/23/1988 PATENT NUMBER: 4727422 FILING DATE: 06/03/1985 SERIAL NUMBER: 06740900 ISSUE DATE: 04/28/1987 PATENT NUMBER: 4661849 FILING DATE: 03/19/1985 SERIAL NUMBER: 06713478 ISSUE DATE: 10/27/1987 PATENT NUMBER: 4703349 FILING DATE: 06/03/1985 SERIAL NUMBER: 06740806 ISSUE DATE: 06/28/1988 PATENT NUMBER: 4754492 FILING DATE: 02/06/1997 SERIAL NUMBER: 29066171 ISSUE DATE: 01/06/1998 PATENT NUMBER: D388721 FILING DATE: 01/27/1995 SERIAL NUMBER: 29034158 ISSUE DATE: 04/02/1996 PATENT NUMBER: D368478 FILING DATE: 06/27/1995 SERIAL NUMBER: 29040801 ISSUE DATE: 09/24/1996 PATENT NUMBER: D374023

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		NUMBER:	08398546 5633681	FILING DATE: 03/06/1995 ISSUE DATE: 05/27/1997
		NUMBER:	08355036 5486853	FILING DATE: 12/13/1994 ISSUE DATE: 01/23/1996
			08333755 5821986	FILING DATE: 11/03/1994 ISSUE DATE: 10/13/1998
	SERIAL PATENT	NUMBER:	29037497 D372918	FILING DATE: 04/14/1995 ISSUE DATE: 08/20/1996
	SERIAL		08657636	FILING DATE: 05/30/1996 ISSUE DATE: 02/03/1998
		NUMBER:	08631644 5805739	FILING DATE: 04/02/1996 ISSUE DATE: 09/08/1998
		NUMBER:	29060863 D394255	FILING DATE: 10/09/1996 ISSUE DATE: 05/12/1998
•			29064655 D389839	FILING DATE: 01/08/1997 ISSUE DATE: 01/27/1998
		NUMBER:	5983252	FILING DATE: 01/16/1998 ISSUE DATE: 11/09/1999
			08925309 6141597	FILING DATE: 09/08/1997 ISSUE DATE: 10/31/2000
		NUMBER:	08729183	FILING DATE: 10/11/1996 ISSUE DATE: 10/05/1999
.j		NUMBER:	08914668 5943248	FILING DATE: 08/18/1997 ISSUE DATE: 08/24/1999
			08914384 5987131	FILING DATE: 08/18/1997 ISSUE DATE: 11/16/1999
			09014942 6285661	FILING DATE: 01/28/1998 ISSUE DATE: 09/04/2001
			29099157 D446531	FILING DATE: 01/14/1999 ISSUE DATE: 08/14/2001
			09028714 6240140	FILING DATE: 02/24/1998 ISSUE DATE: 05/29/2001
			07289375 5001560	FILING DATE: 12/23/1988 ISSUE DATE: 03/19/1991
			08726959 5924064	FILING DATE: 10/07/1996 ISSUE DATE: 07/13/1999

SERIAL NUMBER: 08416525 PATENT NUMBER: 5664057

SERIAL NUMBER: 08663670 PATENT NUMBER: 5778082

FILING DATE: 04/03/1995 ISSUE DATE: 09/02/1997

FILING DATE: 06/14/1996 ISSUE DATE: 07/07/1998

SAUNDRA BALLENGER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS